

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the Claims:

1. (Currently Amended) Apparatus for use with a subject, comprising:
a catheter having a longitudinal axis and having a distal portion; and
an ultrasound array comprising between about 32 and 64 ultrasound transducers
circumferentially arranged around the longitudinal axis at fixed to the distal portion, and
adapted to operate in a phased array mode to apply ablating energy to tissue of the subject
located in a range of azimuths, with respect to the longitudinal axis, that is less than 360
degrees, including a range of azimuths between 180 and 359 degrees.
2. (Canceled)
3. (Canceled)
4. (Original) The apparatus according to claim 1, wherein when the catheter is disposed in a vicinity of an ostium of a pulmonary vein of the subject, the range of azimuths is sufficiently smaller than 360 degrees to avoid inducing a deficit in a phrenic nerve of the subject.
5. (Original) The apparatus according to claim 1, comprising detection functionality,
adapted to determine tissue of the subject that is not to be targeted by the ablating energy,
wherein the ultrasound array is adapted to configure the ablating energy responsive to the determination of the tissue that is not to be targeted.

6. (Original) The apparatus according to claim 5, wherein the ultrasound array is adapted to set the range of azimuths responsive to the determination of the tissue that is not to be targeted.
7. (Original) The apparatus according to claim 5, wherein the detection functionality comprises an ultrasound transducer.
8. (Original) The apparatus according to claim 5, wherein the detection functionality comprises at least a portion of the ultrasound array.
9. (Original) The apparatus according to claim 5, wherein the detection functionality comprises imaging functionality.
10. (Original) The apparatus according to claim 5, wherein the detection functionality is adapted to be fixed to the distal portion of the catheter.
11. (Original) The apparatus according to claim 5, wherein the detection functionality is adapted to operate external to a body of the subject.
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)

Serial No. 10/807,979

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)